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OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/955,999

DATE: 10/04/2001

TIME: 17:22:12

Input Set : A:\PTO_VSK.txt

Output Set: N:\CRF3\10042001\I955999.raw

ENTERED

2 <110> APPLICANT: Barash et al.

4 <120> TITLE OF INVENTION: Signal Transduction Pathway Component Polynucleotides, Polypeptides, Antibodies, and Methods Based Thereon

7 <130> FILE REFERENCE: PT086P1

C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/955,999

10 <141> CURRENT FILING DATE: 2001-09-20

12 <150> PRIOR APPLICATION NUMBER: 60/234,997

13 <151> PRIOR FILING DATE: 2000-09-25

15 <160> NUMBER OF SEQ ID NOS: 139

17 <170> SOFTWARE: PatentIn Ver. 2.0

20 <210> SEQ ID NO: 1

21 <211> LENGTH: 733

22 <212> TYPE: DNA

23 <213> ORGANISM: Homo sapiens

25 <400> SEQUENCE: 1

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28	tctcccggac tcctgaggtc acatgcgtgg tgggtggacgt aagccacgaa gaccctgagg	180
29	tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg	240
30	aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact	300
31	ggctgaatgg caaggagtac aagtgcagg tctccaacaa agccctccca acccccatcg	360
32	agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc	420
33	catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct	480
34	atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga	540
35	ccacgcctcc cgtgctggac tccgacggct ccttcttctt ctacagcaag ctcaccgtgg	600
36	acaagagcag gtggcagcag gggaaactct tctcatgctc cgtgatgcat gaggctctgc	660
37	acaaccacta cacgcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc	720
38	gactctagag gat	733

41 <210> SEQ ID NO: 2

42 <211> LENGTH: 5

43 <212> TYPE: PRT

44 <213> ORGANISM: Homo sapiens

46 <220> FEATURE:

47 <221> NAME/KEY: Site

48 <222> LOCATION: (3)

49 <223> OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids

51 <400> SEQUENCE: 2

W--> 52 Trp Ser Xaa Trp Ser

53 1 5

55 <210> SEQ ID NO: 3

56 <211> LENGTH: 86

57 <212> TYPE: DNA

58 <213> ORGANISM: Homo sapiens

60 <400> SEQUENCE: 3

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62	cccgaatat ctgccatctc aattag	86

65 <210> SEQ ID NO: 4

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82 gcccctaact ccgcccagtt ccgcccattc tccgcccatt ggctgactaa ttttttttat        180
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126 <212> TYPE: DNA
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132 cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga        180
133 ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg        240

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145	ggtttgctct ccggcgaggg cgcctgagcg gcaaccccgga tgtcttgagg tactacagga	180
146	acaagcactc cagcaagccc atccgggtga tagacctcag cgagtgtgca gtgtggaagc	240
147	atgtgggccc cagctttgtt cggaaggaat ttcagaataa tttcgtgttc attgtcaaga	300
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151	atgctgccag ctctcttttg ccaagagatg acccaaacac taatgccgta gccactgagg	540
152	aaaccagaag tgagtcagag cttctcttcc ttccagatta tctggttttg tccaactgcg	600
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157	tgtcttcttc accattgctg gaaagttcct taagttccac cattcaggta gataaaaatc	900
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174	tttttttttt gtccactaaa aacacactga tgggtcaaac aggtcaaaac caagagagaa	1920
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220 ctgttcatac catctctgca cccacaatca cactgatttt tcaaattcat tttgtttttg 4680
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222 aaaaaa
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226 <211> LENGTH: 2302
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228 <213> ORGANISM: Homo sapiens
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231 <221> NAME/KEY: SITE
232 <222> LOCATION: (2300)
233 <223> OTHER INFORMATION: n equals a,t,g, or c
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237 accgcgctgg acgtggagaa gagtggcaaa gtctccaagt cccagctcaa ggtgctgtcc 120
238 cacaacctgt acacggtcct gcacatcccc catgaccccg tggccctgga ggaacacttc 180

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239 cgagatgatg atgacggccc tgtgtccagc cagggataca tgccctacct caacaagtac      240
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241 acgctgacgg ccaagaagaa ctatcgggca gatagcaacg ggaacagtat gctctccaat      360
242 caggatgcct tcgcctctg gtgcctcttc aacttcctgt ctgaggacaa gtaccctctg      420
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272 gattcctggg ctaggaaaga gagaacaagc aagccggggc tacctgcccc caggtggcca     2220
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280 <213> ORGANISM: Homo sapiens
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283 <221> NAME/KEY: SITE
284 <222> LOCATION: (425)
285 <223> OTHER INFORMATION: n equals a,t,g, or c
287 <220> FEATURE:
288 <221> NAME/KEY: SITE
289 <222> LOCATION: (487)
290 <223> OTHER INFORMATION: n equals a,t,g, or c
292 <220> FEATURE:

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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY
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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
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L:1125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:1171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:1172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:1173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:1174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:1204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:1220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:1254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:1292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:1293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/955,999

DATE: 10/04/2001

TIME: 17:22:13

Input Set : A:\PTO_VSK.txt

Output Set: N:\CRF3\10042001\I955999.raw

L:1314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:1315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:1337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38